



# Transfer of NRC/State-Licensed Uranium Mill Tailings Sites to the Long- Term Surveillance and Maintenance Program

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# THE LAW

- ☀ Section 83. Of the Atomic Energy Act (AEA)  
Ownership And Custody Of Certain Byproduct  
Material And Disposable Sites.
- ☀ 83.c/274c. Upon termination of any license to  
which this section applies, the Commission shall  
determine whether or not the licensee has  
complied with all applicable standards and  
requirements under such license.

# REGULATIONS

- ✱ 10 CFR Part 40.28 General license for custody and long-term care of uranium or thorium byproduct materials disposal sites.
- ✱ 10 CFR Part 40, Appendix A
  - ✱ Criterion 10 – Charge to cover cost of long-term surveillance \$250,000(1978 dollars)
  - ✱ Criterion 12 – Final disposition of tailings and annual inspections

# NUREG-1620

- ✦ Standard Review Plan – for the Review of a Reclamation Plan for Mill Tailings Sites Under Title II of the Uranium Mill Tailings Radiation Control Act
- ✦ Appendix E – Guidance to the NRC staff on the license termination process for conventional uranium mill licenses

# AGREEMENT STATE PROCESS

## ✱ NRC Office of State and Tribal Programs (STP)

- ✱ Authority: 274c(4) of the AEA

- ✱ Regulations: Section 10 CFR Part 150.15a(a)

- ✱ Management Directive: MD 9.15

- ✱ Commission Paper SECY-99-025

- ✱ STP Procedure SA-900

- ✱ Covers both conventional and non-conventional mills

- ✱ Includes partial license termination

- ✱ Two bases for NRC determination

- ✱ A completion review report for the specific site

- ✱ IMPEP history for the State Regulatory Program

# NRC/State-Licensed Sites in LTSM

☀ TVA - Edgemont Site      June 27, 1996

☀ ARCO – Bluewater Site      March 31, 1997

☀ WNI - Sherwood site      March 9, 2001

# NRC-Licensed Sites in Preparation for LTSM

## ☀ Kennecott Corp. – L-Bar Site

- ☀ NRC Reviewing Completion Report

- ☀ License Streamlined

## ☀ Union Pacific Resources – Bear Creek site

- ☀ NRC Reviewing Final Completion Report

- ☀ License Streamlined

## ☀ Petrotomics – Petrotomics Shirley Basin

- ☀ Completion Report to be Submitted in August

# Success Story/Lessons Learned

- ✦ Two NRC-Licensed sites
- ✦ Agreement States
  - ✦ One conventional mill site (Sherwood - Washington)
  - ✦ Seven In-Situ Leach sites (Texas)
- ✦ Early interaction with NRC staff recommended
  - Prior to submitting completion report
  - NRC staff inspection prior to submitting completion report



# Success Story/Lessons Learned

- ✦ Submit comprehensive completion report  
Showing how the following were met:

- ✦ Specifications
- ✦ License conditions
- ✦ Regulations

- ✦ DOE provide draft LTSP as soon as possible